

RAW SEQUENCE LISTING

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Application Serial Number: 09/6/0,3138
Source: IFW16
Date Processed by STIC: 10/21/04

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IFW16

RAW SEQUENCE LISTING

DATE: 10/21/2004

PATENT APPLICATION: US/09/610,313B

TIME: 10:48:28

Input Set : A:\2302-1631-20seqlist.txt

Output Set: N:\CRF4\10212004\I610313B.raw

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3 <110> APPLICANT: Barnett, Susan
4     Zur Megede, Jan
6 <120> TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING ANTIGENIC HIV TYPE C
7     POLYPEPTIDES, POLYPEPTIDES AND USES THEREOF
9 <130> FILE REFERENCE: PP01631.101
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/610,313B
C--> 12 <141> CURRENT FILING DATE: 2000-07-05
14 <150> PRIOR APPLICATION NUMBER: 09/610,313
15 <151> PRIOR FILING DATE: 2000-07-05
17 <160> NUMBER OF SEQ ID NOS: 46
19 <170> SOFTWARE: PatentIn Ver. 2.0
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22 <211> LENGTH: 60
23 <212> TYPE: DNA
24 <213> ORGANISM: Human immunodeficiency virus
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29 <210> SEQ ID NO: 2
30 <211> LENGTH: 60
31 <212> TYPE: DNA
32 <213> ORGANISM: Human immunodeficiency virus
34 <400> SEQUENCE: 2
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38 <211> LENGTH: 1479
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic Gag
44     of HIV strain AF110965
46 <400> SEQUENCE: 3
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48 ctgcgccccg gcggcaagaa gtgctacatg atgaagcacc tgggtgtggc cagccgcgag 120
49 ctggagaagt tcgccctgaa ccccgccctg ctggagacca gcgagggctg caagcagatc 180
50 atccgccagc tgcaccccg cctgcagacc ggcagcgagg agctgaagag cctgttcaac 240
51 accgtggcca cctgtactg cgtgcacgag aagatcgagg tccgcgacac caaggaggcc 300
52 ctggacaaga tcgaggagga gcagaacaag tgccagcaga agatccagca ggccgaggcc 360
53 gccgacaagg gcaaggtgag ccagaactac cccatcgtgc agaacctgca gggccagatg 420
54 gtgcaccagg ccacagccc ccgcaccctg aacgcctggg tgaaggtgat cgaggagaag 480
55 gccttcagcc ccgaggtgat ccccatgttc accgcctga gcgagggcgc cccccccag 540
56 gacctgaaca cgatgttgaa caccgtgggc ggccaccagg ccgccatgca gatgctgaag 600
57 gacaccatca acgaggaggc cgccgagtgg gaccgcgtgc accccgtgca cgccggcccc 660
58 atcgcccccg gccagatgcy cgagccccgc ggcagcgaca tcgccggcac caccagcacc 720

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59 ctgcaggagc agatcgctg gatgaccagc aaccccccca tccccgtggg cgacatctac 780
60 aagcgggtgga tcatcctggg cctgaacaag atcgtgcgga tgtacagccc cgtgagcatc 840
61 ctggacatca agcagggccc caaggagccc ttccgcgact acgtggaccg cttcttcaag 900
62 accctgcgcg ccgagcagag caccagagg gtgaagaact ggatgaccga caccctgctg 960
63 gtgcagaacg ccaaccccga ctgcaagacc atcctgcgcg ctctcgccc cggcgccagc 1020
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65 ctggccgagg cgatgagcca ggccaacacc agcgtgatga tgcagaagag caacttcaag 1140
66 ggcccccggc gcatcgtaa gtgcttcaac tgcggcaagg agggccacat cgcccgcaac 1200
67 tgcgcgccc cccgcaagaa gggctgctgg aagtgcggca aggagggcca ccagatgaag 1260
68 gactgcaccg agcgccaggc caacttctg ggcaagatct ggcccagcca caagggccgc 1320
69 cccggcaact tctgcagag ccgcccgcag cccaccgccc ccccgccga gagcttccgc 1380
70 ttcgaggaga ccacccccgg ccagaagcag gagagcaagg accgcgagac cctgaccagc 1440
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73 <210> SEQ ID NO: 4
74 <211> LENGTH: 1509
75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic Gag
80 of HIV strain AF110967
82 <400> SEQUENCE: 4
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85 ctggagggtt tgcacctgaa ccccgccctg ctggagaccg ccgagggtg caagcagatc 180
86 atgaagcagc tgcagcccg cctgcagacc ggcaccgagg agctgcgcag cctgtacaac 240
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88 ctggacaaga tgcaggagga gcagaacaag tcccagcaga agaccagca ggccaaggag 360
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96 cgggtggatca tcttgggctt gaacaagatc tgcgggatgt acagccccgt gagcatcctg 840
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98 ctgcgcgccc agcaggccac ccaggacgtg aagaactgga tgaccgagac cctgctggtg 960
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103 tgcgcgccc cccgcaagaa gggctgctgg aagtgcggca aggagggcca ccagatgaag 1260
104 gactgcaccg agcgccaggc caacttctg ggcaagatct ggcccagcca caagggccgc 1320
105 cccggcaact tctgcagaa ccgcagcgag cccgcccgcc ccaccgtgcc caccgcccc 1380
106 cccgcgcgaga gcttccgctt cgaggagacc accccccgcc ccaagcagga gcccaaggac 1440
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108 agccagtaa 1509
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 141

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112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Description of Artificial Sequence: Env common
117     region of HIV strain AF110968
119 <400> SEQUENCE: 5
120 accatcacca tcacctgccg catcaagcag atcatcaaca tgtggcagaa ggtgggcccgc 60
121 gccatgtacg ccccccccat cgccggcaac ctgacctgcg agagcaacat caccggcctg 120
122 ctgctgaccc gcgacggcgg c                                     141
124 <210> SEQ ID NO: 6
125 <211> LENGTH: 1431
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
131     gp120 coding region of HIV strain AF110968
133 <400> SEQUENCE: 6
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135 aagaccaccc tgttctgcac cagcgacgcc aaggcctacg agaccgaggt gcacaacgtg 120
136 tgggccaccc acgcctgcgt gccacccgac cccaaccccc aggagatcgt gctggagaac 180
137 gtgaccgaga acttcaacat gtggaagaac gacatggtgg accagatgca cgaggacatc 240
138 atcagcctgt gggaccagag cctgaagccc tgcgtgaagc tgacccccct gtgctgacc 300
139 ctgaagtgcc gcaacgtgaa cgccaccaac aacatcaaca gcatgatcga caacagcaac 360
140 aagggcgaga tgaagaactg cagcttcaac gtgaccaccg agctgcgcga ccgcaagcag 420
141 gaggtgcacg cctgttcta ccgcctggac gtggtgcccc tgcagggcaa caacagcaac 480
142 gattaccgcc tgatcaactg caacaccagc gccatcccc aggcctgcc caaggtgagc 540
143 ttcgacccca tccccatcca ctactgcacc ccgcctggct acgccatcct gaagtgaac 600
144 aaccagacct tcaacggcac cggccccctgc aacaacgtga gcagcgtgca gtgcgccac 660
145 ggcataaagc ccgtggtgag caccagctg ctgctgaacg gcagcctggc caagggcgag 720
146 atcatcatcc gcagcgagaa cctggccaac aacgccaaga tcatcatcgt gcagctgaac 780
147 aagcccgtga agatcgtgtg cgtgcgcccc aacaacaaca cccgcaagag cgtgcgcac 840
148 ggcgccggcc agaccttcta cgccaccggc gagatcatcg gcgacatccg ccaggcctac 900
149 tgcatacatca acaagaccga gtggaacagc accctgcagg gcgtgagcaa gaagctggag 960
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152 aacagcacct acagccccag cttcaacggc accgagaaca agctgaacgg caccatcacc 1140
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156 atgcgcgaca actggcgcaa cgagctgtac aagtacaagg tggaggagat caagcccctg 1380
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160 <211> LENGTH: 1944
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic
167     gp140 coding region of HIV strain AF110968
169 <400> SEQUENCE: 7

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172 tgggccaccc acgcctgcgt gccaccgcac cccaaccccc aggagatcgt gctggagaac 180
173 gtgaccgaga acttcaacat gtggaagaac gacatggtgg accagatgca cgaggacatc 240
174 atcagcctgt gggaccagag cctgaagccc tgcgtgaagc tgacccccct gtgctgacc 300
175 ctgaagtgcc gcaacgtgaa cgccaccaac aacatcaaca gcatgatcga caacagcaac 360
176 aagggcgaga tgaagaactg cagcttcaac gtgaccaccg agctgcgcga ccgcaagcag 420
177 gaggtgcacg ccctgttcta ccgctggac gtggtgcccc tgcagggcaa caacagcaac 480
178 gagtaccgcc tgatcaactg caacaccagc gccatcccc aggcctgccc caaggtgagc 540
179 ttcgacccca tccccatcca ctactgcacc ccgcgcggt acgccatcct gaagtgaac 600
180 aaccagacct tcaacggcac cggcccctgc aacaacgtga gcagcgtgca gtgcgccac 660
181 ggcatacagc ccgtggtgag caccagctg ctgctgaacg gcagcctggc caagggcgag 720
182 atcatcatcc gcagcgagaa cctggccaac aacgccaaga tcatcatcgt gcagctgaac 780
183 aagcccgtga agatcgtgtg cgtgcgcccc aacaacaaca cccgcaagag cgtgcgcac 840
184 ggcgccggcc agaccttcta cgccaccggc gagatcatcg gcgacatccg ccaggcctac 900
185 tgcatacatc acaagaccga gtggaacagc accctgcagg gcgtgagcaa gaagctggag 960
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187 accacccaca gcttcaactg ccgcggcgag ttcttctact gcgacaccag ccagctgttc 1080
188 aacagcacct acagcccag cttcaacggc accgagaaca agctgaacgg caccatcacc 1140
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199 agcaaccgca gccacgacga gatctgggac aacatgacct ggatgcagtg ggaccgcgag 1800
200 atcaacaact acaccgacac catctaccgc ctgctggagg agagccagaa ccagcaggag 1860
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205 <211> LENGTH: 2466

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207 <213> ORGANISM: Artificial Sequence

209 <220> FEATURE:

210 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

211 gp160 coding region of HIV strain AF110968

213 <400> SEQUENCE: 8

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216 tgggccaccc acgcctgcgt gccaccgcac cccaaccccc aggagatcgt gctggagaac 180
217 gtgaccgaga acttcaacat gtggaagaac gacatggtgg accagatgca cgaggacatc 240
218 atcagcctgt gggaccagag cctgaagccc tgcgtgaagc tgacccccct gtgctgacc 300
219 ctgaagtgcc gcaacgtgaa cgccaccaac aacatcaaca gcatgatcga caacagcaac 360
220 aagggcgaga tgaagaactg cagcttcaac gtgaccaccg agctgcgcga ccgcaagcag 420
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222 gagtaccgcc tgatcaactg caacaccagc gccatcaccc aggcctgccc caaggtgagc 540
223 ttcgacccca tccccatcca ctactgcacc cccgccggct acgccatcct gaagtgcac 600
224 aaccagacct tcaacggcac cggccccctg aacaacgtga gcagcgtgca gtgcgcccac 660
225 ggcatacaagc ccgtggtgag caccagctg ctgctgaacg gcagcctggc caagggcgag 720
226 atcatcatcc gcagcgagaa cctggccaac aacgccaaga tcatcatcgt gcagctgaac 780
227 aagcccgctg agatcgtgtg cgtgcgcccc aacaacaaca cccgcaagag cgtgcgcatc 840
228 ggccccggcc agaccttcta cgccaccggc gagatcatcg gcgacatccg ccaggcctac 900
229 tgcatacatc acaagaccga gtggaacagc accctgcagg gcgtgagcaa gaagctggag 960
230 gagcacttca gcaagaaggc catcaagttc gagcccagca gcggcgggca cctggagatc 1020
231 accaccacac gcttcaactg ccgcggcgag ttcttctact gcgacaccag ccagctgttc 1080
232 aacagcacct acagcccag cttcaacggc accgagaaca agctgaacgg caccatcac 1140
233 atcacctgcc gcataacgca gatcatcaac atgtggcaga aggtgggccc cgccatgtac 1200
234 gcccccccca tcgccggcaa cctgacctgc gagagcaaca tcaccggcct gctgctgacc 1260
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237 gggtggtggc ccaccgaggc caagcgccgc gtggtggagc gcgagaagcg cgcctggtgg 1440
238 atcggcgcgc tggtcctggg ctctctgggc gccgccggca gcaccatggg cgcgcggcag 1500
239 atcacctga ccgtgcaggc ccgcctgctg ctgagcggca tcgtgcagca gcagaacaac 1560
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257 <210> SEQ ID NO: 9

258 <211> LENGTH: 2547

259 <212> TYPE: DNA

260 <213> ORGANISM: Artificial Sequence

262 <220> FEATURE:

263 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic

264 signal sequence and gp160 coding region of HIV

265 strain AF110968

267 <400> SEQUENCE: 9

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269 ttctggatgc tgatcatcag cagcgtggtg ggcaacctgt gggtgaccgt gtactacggc 120
270 gtgcccgtgt ggaaggaggc caagaccacc ctgttctgca ccagcgacgc caaggcctac 180
271 gagaccgagg tgcacaacgt gtgggccacc cagcctgctg tgcccaccga ccccaacccc 240
272 caggagatcg tgctggagaa cgtgaccgag aacttcaaca tgtggaagaa cgacatggtg 300
273 gaccagatgc acgaggacat catcagcctg tgggaccaga gcctgaagcc ctgcgtgaag 360

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date